



August 12, 1997

D-125

LED-10N

Remote LED Fire Annunciator For use with SFP-1024

Section: Annunciator Control Systems

GENERAL

The NOTIFIER LED-10N is a compact, cost-effective, LED Fire Annunciator for use with the SFP-1024 ten-zone, Fire Alarm Control Panel. The LED-10N is capable of illuminating Alarm (red) and Trouble (yellow) LEDs for all ten Initiating Device Circuits (IDC). The LED-10N also provides system status LEDs to display Power (green), Alarm (red), Trouble (yellow), Supervisory (yellow) and Signals Silenced (yellow). Remote control of critical system functions such as: Reset, Silence, Acknowledge and Drill can also be accomplished with the LED-10N.

Communications between the SFP-1024 and the LED-10N are accomplished over a two-wire serial interface employing the EIA-485 communication standard. Up to 32 LED-10Ns may be connected to the two-wire EIA-485 circuit. Annunciators may be powered from the host SFP-1024 (up to 7) or remote power supplies (requires filtered, regulated power).

FEATURES

- Ten Alarm (red) and Trouble (yellow) LEDs for displaying initiating device circuit (zone) status.
- Control Switches for System Acknowledge, Signal Silence, Drill and Reset with enable key.
- System status LEDs for Power (green), Alarm (red), Trouble (yellow), Supervisory (yellow) and Signals Silenced (yellow).
- No programming necessary.
- Aesthetically pleasing, semi-flush mount design.
- Serial EIA-485 interface for reduced installation cost (see reverse side for wiring diagram).
- May be powered by 24 VDC from the host FACP or by remote power supplies (requires filtered, regulated power).
- Up to 32 LED-10Ns per SFP-1024.
- Plug-in terminal blocks for ease of installation and service.
- Can be remotely located up to 6,000 feet from host control panel.
- Local piezo sounder with alarm and trouble resound.
- Mounts to 2-1/8" deep, three-gang electrical box (NOTIFIER P/N 10103 or equivalent).

INSTALLATION

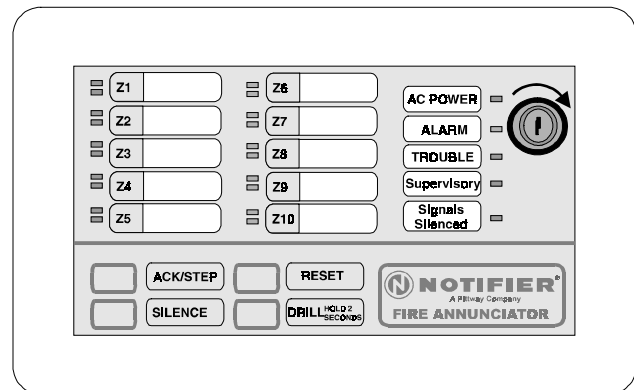
The LED-10N can be semi-flush mounted to a 2-1/8" deep, three-gang electrical box (NOTIFIER P/N 10103 or equivalent). A control switch key lock is included to prevent unauthorized use of control switches.



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California
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OPERATION

The LED-10N provides the SFP-1024 Conventional Fire Alarm Control Panel with low-cost zone annunciation, displayed with Alarm (red) and Trouble (yellow) LEDs. The LED-10N also provides an array of LEDs to indicate system status, as well as control switches for remote control of critical system functions.

The LED-10N annunciator provides the SFP-1024 with up to 32 remote serially connected annunciators. All field wiring terminations on the LED-10N use removable, compression-type terminal blocks for ease of wiring and circuit testing.

Communications between the FACP and the annunciators are accomplished over an EIA-485 serial interface, greatly reducing wire and installation cost over traditional systems. Four wires total are required: two for the EIA-485 communications in (twisted-pair) and two for 24 VDC regulated power. Dip switches control local functions such as: piezo disable, control switches/key-switch disable, transmit/receive mode.

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact **NOTIFIER**. Phone: (203) 484-7161 FAX: (203) 484-7118



NOTIFIER

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ISO-9001

Engineering and Manufacturing
Quality System Certified to
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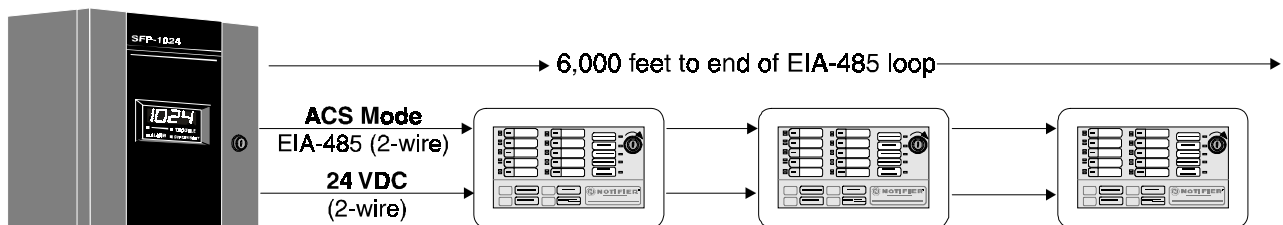


Made in the U.S.A.

ORDERING INFORMATION

LED-10N	Remote LED-type fire annunciator for use with SFP-1024 10-Zone, Conventional FACP.
LED-10IM	LED-10N Interface Module (one required per SFP-1024 — supports up to 32 LED-10Ns).
10103	Three-gang electrical box, 2-1/8" deep.

LED-10N ACS MODE WIRING



SFP-1024

Notes:

- 1) EIA-485: Maximum of 6,000 feet total cable length from FACP to LED-10Ns. Circuit is power-limited.
- 2) Up to 32 LED-10Ns may be used on the EIA-485 circuit. The SFP-1024 can power a maximum of seven LED-10Ns. If additional LED-10Ns are connected, the NOTIFIER FCPS-24 may be used to supply additional power. (Power supplies used for this purpose must have their negative terminals commoned together.)
- 3) Between each LED-10N are four wires: A twisted-shielded pair for data communications and a pair for 24 VDC power.
- 4) Each may have ACK, SIGNAL SILENCE, DRILL and SYSTEM RESET switches.
- 5) Displays all ten initiating device circuits (zones) of SFP-1024.
- 6) No programming required for LED-10Ns.

MOUNTING TO FLUSH BACKBOX

CAUTION! The LED-10N can **ONLY** be mounted in a three-gang electrical box with a minimum depth of 2-1/8" (NOTIFIER P/N 10103 or equivalent). The LED-10N **CANNOT** be mounted in three gangable electrical switch boxes connected together.

**5-13/16" wide x 4" high x 2-1/8" deep,
three-gang electrical box
(NOTIFIER P/N 10103 or equivalent).**

